Sample
Whole Blood, Serum, Plasma or Urine

Sample Size
100 µl Whole Blood, Serum or Plasma
400 µl diluted (1:10) Urine

Number of Parameters
3 (Simultaneously)

Detection Range
Blood Na⁺: 45-205 mmol/L
K⁺: 1.5-11 mmol/L
Cl⁻: 45-205 mmol/L
Li⁺: 0.15-5.0 mmol/L

Urine Na⁺: 30-1020 mmol/L
K⁺: 20-505 mmol/L
Cl⁻: 25-505 mmol/L

Reproducibility
Typical Within Run (n=30)
Blood, Serum, Plasma
Na⁺: CV ≤ 1% (115-160 mmol/L)
K⁺: CV ≤ 2% (2.5-6 mmol/L)
Cl⁻: CV ≤ 2% (65-120 mmol/L)
Li⁺: SD ≤ 0.03 (0.25-2.0 mmol/L)

Urine
Na⁺: CV ≤ 5% (60-280 mmol/L)
K⁺: CV ≤ 5% (30-170 mmol/L)
Cl⁻: CV ≤ 5% (80-230 mmol/L)

Display Resolution
Na⁺: 1 mmol/L
K⁺: 0.1 mmol/L
Cl⁻: 1 mmol/L
Li⁺: 0.01 mmol/L

Analysis Time
57 sec (Blood)
93 sec (Urine)

Data Storage
1000 Patient Results
500 Level 1 QC Results
500 Level 2 QC Results
500 Level 3 QC Results

Calibration
2 Point every 4 hours
On Demand
1 Point after every Measurement

User Input
Keypad, External Keyboard
External Barcode Scanner (optional)

Output
Graphic backlit display
Graphic 40 column printer
RS232 LIS Communication

Ambient Conditions
15-32°C (60-90°F), < 85% humidity

Languages
English, Chinese, French, German, Italian, Korean
Japanese, Portuguese, Russian, Spanish, Polish

Power
100-240 ~ VAC 50/60 Hz, 1.6 A

Size & Weight
9.5” (24cm) W x 16.5” (42cm) H x
8.0” (20cm) D, 10.5 lbs (4.5kgs)

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